

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator;

at least one wiring interposed between the insulator and the anode, wherein the wiring is formed in contact with the first edge of the anode, and wherein the wiring is not part of the anode;

an insulating film covering at least the first and the second edges of the anode;

a cathode formed over said insulating film; and

a luminescent material interposed between said anode and said cathode, and between said cathode and said insulating film.

2. (Previously presented) An apparatus according to claim 1, wherein said wiring is formed of a metal film.

3. (Original) An apparatus according to claim 2, wherein said metal film comprises platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

4. (Previously presented) An apparatus according to claim 1, wherein said anode is formed of electrically conductive oxide films.

5. (Canceled)

6. (Original) An electric device using an apparatus according to claim 1.

7-12. (Canceled)

13. (Previously presented) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator, the anode extending in a first direction wherein each of the first edge and the second edge of the anode extends along said first direction;

first wiring and second wiring interposed between the insulator and the anode wherein the first wiring is formed in contact with the first edge of the anode, the second wiring is formed in contact with the second edge of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second edges of the anode;

a cathode formed over said insulating film; and

a luminescent material interposed between said anode and said cathode.

14. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are formed of metal films.

15. (Original) An apparatus according to claim 14, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

16. (Previously presented) An apparatus according to claim 13, wherein said anode is formed of electrically conductive oxide films.

17. (Canceled)

18. (Original) An electric device using an apparatus according to claim 13.

19-29. (Canceled)

30. (Previously presented) An apparatus according to claim 1, wherein said wiring is different in material from said anode.

31. (Previously presented) An apparatus according to claim 1, wherein said wiring is made of a material lower in resistance than that of said anode.

32. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are different in material from said anode.

33. (Previously presented) An apparatus according to claim 13, wherein the first wiring and the second wiring are made of a material lower in resistance than that of said anode.

34. (Previously presented) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator, the anode extending in a first direction wherein each of the first edge and the second edge of the anode extends along said first direction, wherein said anode is electrically connected to a first driver circuit which is mounted by a COG system;

first wiring and second wiring interposed between the insulator and the anode wherein the first wiring is formed in contact with the first edge of the anode, the second wiring is formed in contact with the second edge of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second edges of the anode;

a cathode formed over said insulating film wherein said cathode is electrically connected to a second driver circuit which is mounted by the COG system; and

a luminescent material interposed between said anode and said cathode.

35. (Previously presented) An apparatus according to claim 34, wherein the first wiring and the second wiring are formed of metal films.

36. (Previously presented) An apparatus according to claim 35, wherein said metal films

comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

37. (Previously presented) An apparatus according to claim 34, wherein said anode is formed of electrically conductive oxide films.

38. (Previously presented) An apparatus according to claim 34, further comprising a plurality of banks arranged so as to be orthogonal to said anode.

39. (Previously presented) A light emitting apparatus having at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator, the anode extending in a first direction wherein each of the first edge and the second edge of the anode extends along said first direction, wherein a first stick driver is electrically connected to the anode through an anisotropic electrically conductive material;

first wiring and second wiring interposed between the insulator and the anode wherein the first wiring is formed in contact with the first edge of the anode, the second wiring is formed in contact with the second edge of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second edges of the anode;

a cathode formed over said insulating film wherein a second stick driver electrically connected to the cathode through an anisotropic electrically conductive material; and

a luminescent material interposed between said anode and said cathode.

40. (Previously presented) An apparatus according to claim 39, wherein the first wiring and the second wiring are formed of metal films.

41. (Previously presented) An apparatus according to claim 40, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

42. (Previously presented) An apparatus according to claim 39, wherein said anode is formed of electrically conductive oxide films.

43. (Previously presented) An apparatus according to claim 39, further comprising a plurality of banks arranged so as to be orthogonal to said anode.

44. (Previously presented) A light emitting apparatus having a plurality of at least one light emitting element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator, the anode extending in a first direction wherein each of the first edge and the second edge of the anode extends along said first direction, wherein a first stick driver electrically connected to the anode through a metal wire;

first wiring and second wiring interposed between the insulator and the anode wherein the

first wiring is formed in contact with the first edge of the anode, the second wiring is formed in contact with the second edge of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second edges of the anode;

a cathode formed over said insulating film wherein a second stick driver electrically connected to the cathode through a metal wire; and

a luminescent material interposed between said anode and said cathode.

45. (Previously presented) An apparatus according to claim 44, wherein said wirings are formed of metal films.

46. (Previously presented) An apparatus according to claim 45, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

47. (Previously presented) An apparatus according to claim 44, wherein said anodes are formed of electrically conductive oxide films.

48. (Previously presented) An apparatus according to claim 44, further comprising a plurality of banks arranged so as to be orthogonal to said anodes.

49. (Previously presented) A light emitting apparatus having at least one light emitting

element over an insulator, the light emitting element comprising:

an anode having at least a first edge and a second edge formed over said insulator, the anode extending in a first direction;

first wiring and second wiring interposed between the insulator and the anode wherein the first wiring is formed in contact with the first edge of the anode, the second wiring is formed in contact with the second edge of the anode, the first wiring and the second wiring are extending in the first direction, and the first wiring and the second wiring are not part of the anode;

an insulating film covering at least the first and second edges of the anode;

a cathode formed over said insulating film; and

a luminescent material interposed between said anode and said cathode, and between said cathode and said insulating film.

50. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are formed of metal films.

51. (Previously presented) An apparatus according to claim 49, wherein said anode is formed of electrically conductive oxide films.

52. (Previously presented) An electric device using an apparatus according to claim 49.

53. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are different in material from said anode.

54. (Previously presented) An apparatus according to claim 49, wherein the first wiring and the second wiring are made of a material lower in resistance than that of said anode.

55. (Currently Amended) An apparatus according to claim 13, wherein said luminescent material is interposed ~~between said anode and said cathode, and~~ between said cathode and said insulating film, and the insulator does not contact with the luminescent material.

56. (Currently Amended) An apparatus according to claim 34, wherein said luminescent material is interposed ~~between said anode and said cathode, and~~ between said cathode and said insulating film, and the insulator does not contact with the luminescent material.

57. (Currently Amended) An apparatus according to claim 39, wherein said luminescent material is interposed ~~between said anode and said cathode, and~~ between said cathode and said insulating film, and the insulator does not contact with the luminescent material.

58. (Currently Amended) An apparatus according to claim 44, wherein said luminescent material is interposed ~~between said anode and said cathode, and~~ between said cathode and said insulating film, and the insulator does not contact with the luminescent material.

59. (New) An apparatus according to claim 1, wherein the insulator does not contact with the luminescent material.

60. (New) An apparatus according to claim 49, wherein the insulator does not contact with the luminescent material.